



City of Marlborough
Westerly Wastewater Treatment Plant
303 Boundary Street
Marlborough, MA 01752
508-624-6919 * Fax 508-460-3786

November 17, 2014

To: All significant industrial users

This letter pertains to any industry in the City of Marlborough or Northborough that is considered a significant industrial user according to the Marlborough sewer use regulations Section 161-1A.

SIGNIFICANT USER - Any user of the city's wastewater treatment system who has a discharge flow of five thousand (5,000) gallons or more per average workday; has a flow greater than five percent (5%) of the flow in the city's wastewater treatment system; has in his wastes toxic pollutants as defined pursuant to Section 307 of the Act, or the General Laws of the Commonwealth; or is found by the city, Department of Environmental Protection or the United States Environmental Protection Agency (EPA) to have significant impact, either singly or in combination with other contributing users, on the wastewater treatment system, the quality of sludge, the system's effluent quality or air emissions generated by the system.

As outlined in Section 161-7A(1), of the Marlborough sewer use regulations, effective January 1, 2015 all applications for industrial discharge permits to the city of Marlborough wastewater treatment system must include a \$1000.00 permit fee in the form of a check made payable to the City of Marlborough.

Should you have any questions about the permit fee for industrial users please do not hesitate to contact me.

Sincerely,

Harry P. Butland Jr.
Industrial Pretreatment Coordinator

City of Marlborough MA
Local Limits
Revised Effective 5/7/07

<u>Pollutants of Concern</u>	<u>Maximum Concentration (mg/l)</u>
Biochemical Oxygen Demand	350
Total Suspended Solids	350
Phosphorus	25
Ammonia	50
Arsenic	0.42
Beryllium	0.12
Cadmium	0.1
Chromium, total	0.77
Copper	0.3
Cyanide	0.45
Lead	0.1
Manganese	20
Mercury	0.0007
Nickel	0.6
Selenium	0.81
Silver	0.25
Thallium	0.93
Total Toxic Organics	2.13
Zinc	3.7



**City of Marlborough
Westerly Wastewater Treatment Plant
303 Boundary Street
Marlborough, MA 01752**

APPLICATION FOR INDUSTRIAL WASTEWATER DISCHARGE PERMIT

This application should be signed by the appropriate official and submitted **with** the Industrial Waste Questionnaire and the Baseline Monitoring Report to the Industrial Pretreatment Coordinator. For **reapplication** the above information must be received at least one hundred eighty (180) days before the current permit expires.

1. Name of Applicant: _____
2. Industry Name: _____
3. Industry Address: _____

I understand that the above industry cannot discharge industrial wastewater without obtaining an Industrial Wastewater Discharge Permit.

SIGNATURE OF APPLICANT: _____ **DATE:** _____

**Send this Application to: Harry Butland
Marlborough West Plant
303 Boundary Street
Marlborough, MA 01752**

If you have any questions concerning this application process, please call me at 508-624-6919.

**INFORMATION REQUIREMENTS FOR
BASELINE MONITORING REPORT**

Facility Name: _____ Owner/Operator: _____
 Address: _____ Address: _____

I. Information already submitted

1. Has a baseline report containing information listed below already been submitted for this facility? Yes _____, No _____, If "yes", provide date of submission and the agency submitted to. _____

2. Has your firm supplied the information presented below to your local sewage agency (in response to the sewage agency's requirement to conduct an industrial waste survey as part of their pretreatment program)?
 Yes _____, No, _____, If "yes" state date of your submission and the agency requesting the information. _____
 If the answer is "yes" to either or both questions above, then do not answer the following questions. Instead, attach a copy of your previously submitted material to this form and return.

II. Baseline monitoring report information

1. Briefly describe the products produced and manufacturing process used in your _____ operation.

2. Production rate: _____ 3. SIC code: _____

4. Facility diagram: Attach a copy of your facility flow schematic diagram of all regulated process, including points of discharge to the sanitary sewer system.

5. Wastewater flow measurement

Regulated process (Type)	Daily ave. (gal/day)	Daily max. (gal/day)	Estimate or measured (E/M)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
Non-Regulated process (Type)	Daily ave. (gal/day)	Daily max. (gal/day)	Estimate or measured (E/M)
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

6. Measurement of pollutants: Attach the most recent results from the sampling and analysis during normal working hours of all regulated process streams including the following information:

- a. Sample type (i.e. flow proportional, composite, grab)
 - b. Frequency of samples
 - c. Time, date, and location of sampling event
 - d. Method of analysis
 - e. Comparison of results with applicable pretreatment standards
 - f. If alternate limits (i.e., combined wastestream formula) are calculated, include the limit and all supporting data.
7. Certification: Are pretreatment standards for your industry being met on a consistent basis by this facility? Yes _____, No _____. If “yes” go to question 9.
8. If the answer to number 7 is “no”, will additional pretreatment and/or operations and maintenance be required for this facility to meet the pretreatment standards? Yes _____, No _____. If “no” explain the reason for non-compliance _____
- _____
- If “yes” attach a description of the required pretreatment and/or operations and maintenance to gain compliance, and include a schedule of dates for commencement and completion of events leading to the construction and operation of this additional pretreatment.
9. List any other environmental control permits held by this facility.
- _____
- _____

I have personally examined and am familiar with the information submitted on this form and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

Date

Signature of Official (seal if applicable)

INSTRUCTIONS FOR BASELINE MONITORING REPORT

General

Both the facility name and address and the owner or operator name and address should be given.

Specific Questions

- I.1. If yes is answered to this question, be sure to attach a copy of the material you submitted.
- I.2. See instructions for question 1.
- II.1. Briefly describe the nature of the business or service performed at this facility. This description should include all manufacturing processes, including those not related to the categorical industry (use additional sheets if necessary).
- II.2. Give the production rate of this facility (usually given as an annual average production or monthly average).
- II.3. Provide the appropriate Standard Industrial Classification (SIC) Code for this facility.
- II.4. Self- explanatory
- II.5. Provide average and maximum waste flows from all regulated process streams. If process waste streams are combined either with other process waste streams, or non-process (sanitary, cooling water, etc.) waste streams, these individual flow rates should be given.
- II.6. Each industrial user will sample, analyze, and report on all regulated pollutants specific to each process (refer to appropriate subcategory in regulations for specific pollutants). An attachment should be provided indicating the types of samples (i.e., grab, composite, flow proportioned), the frequency and number of samples, time date and locations of the sampling events, and certification that the methods of analysis meets the regulatory requirements. The facility must ascertain whether it can meet the 30-day average, calculated average, daily maximum or calculated maximum limit.

All pretreatment standards are process related and a facility must comply with the standard at the end of each regulated process. However, EPA recognizes that many facilities combine their wastewater process lines, cooling water, and sanitary wastes prior to treatment or discharge to municipal sewers. Hence, a facility can sample at a combined point, but will need to adjust the categorical limits by employing the Combined Wastestream formula which is contained in Section 403.6(e) of the General Pretreatment Regulations (Federal Register July 1, 2008). If this is the case with your

facility, you must employ the formula and provide all additional data used for calculations. For further explanation, please refer to 40 CFR 403.6(e).

- II.7. If answer was yes, skip Question 8, and go on to Question 9.
- II.8. An explanation is needed describing how the facility intends to meet Categorical Standards. If additional pretreatment an/or operations and maintenance are required, then an attachment must be provided describing the proposed system and a schedule of dates for commencement and completion of events leading to the construction and operation of the system.
- II.9. Any other environmental control permits (i.e., NPDES, hazardous material, etc.) held by this facility must be listed.

EXHIBIT "A"

DEFINITIONS

1. BOD, denotes BIOCHEMICAL OXYGEN DEMAND, which means the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures in five (5) days at twenty (20) degrees Centigrade expressed in parts per million by weight, as determined by Standard Methods.
2. CITY shall mean the City of Marlborough, Mass.
3. DISCHARGE MEASUREMENT – The determination of the quantity of wastewater flowing per unit of time in the sewer system at a given point by means of a current meter, rod float, weir, Pitot tube, or other measuring device or method.
4. FLOW RECORDER – shall mean a weir, meter, flume or other device, which will measure and record the volume of wastewater discharged.
5. MGD – Wastewater flow in million gallons per day.
6. MAXIMUM DAILY FLOW - shall mean the highest daily rate of wastewater flow occurring within a single day.
7. MEASURING DEVICE - An instrument determining concentration, flow, etc.
8. METER – An instrument for measuring the amount and rate of flow of liquids.
9. MINIMUM DAILY FLOW - shall mean the smallest rate of wastewater flow of liquids.
10. MONITORING DEVICE - shall mean any equipment, which specifically measures, and/or samples wastewater.
11. PRETREATMENT FACILITIES - shall mean the structures, equipment, and processes required to collect, treat and transport.
12. QUANTITY AND QUALITY OF WASTEWATER in an expression, which determines the amount and composition of the wastewater. Composition, in this case refers to the chemical and physical characteristics of the solid and liquid constituents of the wastewater. These characteristics are usually measured in terms of gallons per day, BOD, and SS.

13. **SAMPLE** - shall mean a portion of the wastewater obtained for analytical purposes. This portion may be a single sample (grab), composite sample, continuous sample or periodic sample.
14. **SAMPLER** – A device used with or without flow measurement to obtain an aliquot portion of water or wastewater for analytical purposes. May be designed for taking single sample (grab), composite sample, continuous sample, periodic sample.
15. **COMPOSITE WASTEWATER SAMPLE** – A combination of individual samples of water or wastewater taken at selected intervals, generally hourly for some specified period, to minimize the effect of the variability of the individual sample. Individual samples shall be proportioned to the flow at the time of sampling.
16. **SAMPLING STATION** – A specified site where monitoring takes place on a regular basis.
17. **SHALL** is mandatory; **MAY** is permissive.
18. **SUSPENDED SOLIDS** - shall mean the solids that either float on the surface of, or are in suspension in wastewater and which are largely removable by laboratory filtering and wastewater treatment plants.
19. **TREATMENT (TREAT)** - shall mean a process to which wastewater is subjected in order to remove or alter its objectional constituents and thus render it less offensive or dangerous.
20. **WASTEWATER** – The spent water of an industry. Spent water may be a combination of the liquid wastes from industrial establishments, together with any groundwater, surface water and storm water that may be present.
21. **WASTEWATER DISPOSAL** – The act of disposing of wastewater by discharging to the City’s Wastewater Treatment Facilities.
22. **WASTEWATER TREATMENT FACILITIES** – The structures, equipment, and processes required to collect, transport, treat and dispose of wastewater and dispose of the effluent including but not limited to collection system, interceptors, and wastewater treatment plant.

INDUSTRIAL WASTE QUESTIONNAIRE

GENERAL INFORMATION

1. Standard Industrial Classification Code (SIC) _____
2. Company name _____
3. Mailing address _____
4. Premise address _____
5. Name and title of signing official:

6. Person to contact concerning information provided herein:
Name and title _____
Telephone No. _____

7. Note to signing official: In accordance with Title 40 of the Code of Federal Regulations Part 403 Section 403.14, information and data provided in this questionnaire that identifies the nature and frequency of the discharge shall be available to the public without restriction. Requests for confidential treatment of other information shall be governed by procedures specified in 40 CFR Part 2. Should a discharge permit be required for your facility, the information in this questionnaire will be used to issue the permit.

8 This is to be signed by an authorized official of your firm after adequate completion of this form and review of the information by the signing official.

I have personally examined and am familiar with the information submitted in this document and attachments. Based upon my inquiry of those individuals immediately responsible for obtaining the information reported herein, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

Date

Signature of Official (Seal if applicable)

PRODUCT OR SERVICE INFORMATION

9. Name or description of manufacturing or service activity at premise address. Current production as percentage of plant capacity.

- a. _____
- b. _____
- c. _____
- d. _____

10. Principal raw materials

Process catalysts

- a. _____
- b. _____
- c. _____
- d. _____

11. Principal product or service

Corresponding SIC Code

- a. _____
- b. _____
- c. _____
- d. _____

PLANT OPERATIONAL CHARACTERISTICS

- | | | Continuous? | Batch?
(Give no. of
Batches/day) |
|-----|--|------------------------------|--|
| 12. | Provide description of process | | |
| | a. _____ | _____ | _____ |
| | b. _____ | _____ | _____ |
| | c. _____ | _____ | _____ |
| | d. _____ | _____ | _____ |
| 13. | Is there a scheduled shutdown? _____ | | |
| | If yes, give mo./day/year to mo./day/year _____ to _____ | | |
| 14. | Is production seasonal? _____ | | |
| | If yes: | | |
| | Month (s) of peak production: _____ | | |
| | Process (es) involved: _____ | | |
| | Max. no. of employees/shift | | |
| | | 1 st shift: _____ | |
| | | 2 nd shift: _____ | |
| | | 3 rd shift: _____ | |
| | No. of days worked/ week: _____ | | |
| 15. | If no: | | |
| | Average number of employees per shift: _____ 1 st ; _____ 2 nd ; _____ 3 rd | | |
| | Shift start times: _____ 1 st ; _____ 2 nd ; _____ 3 rd | | |

Shifts normally worked each day:

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
1 st	_____	_____	_____	_____	_____	_____	_____
2 nd	_____	_____	_____	_____	_____	_____	_____
3 rd	_____	_____	_____	_____	_____	_____	_____

WATER CONSUMPTION AND LOSS

16.	Raw water source (%)	Quantity (gal. per day)*	
		Average	Maximum
a.	Public water supply _____	_____	_____
b.	Private water supply: _____	_____	_____

17. Describe any raw water treatment process utilized: _____

18. List water consumption in plant*

Cooling water	_____	gallons per day
Boiler feed	_____	gallons per day
Process water	_____	gallons per day
Sanitary system	_____	gallons per day
Contained in product	_____	gallons per day
Other	_____	gallons per day
Total	_____	gallons per day

*Conversion factor for cubic feet to gallons is: 7.48 gallons equals one cubic foot, 748 gallons equals one hundred cubic foot.

19. List average volume of discharge or water loss to

City wastewater sewer _____ gallons per day

Natural outlet _____ gallons per day

Waste hauler _____ gallons per day

Evaporation _____ gallons per day

Contained in product _____ gallons per day

Total _____ gallons per day

20. Describe any water recycling or material reclaiming processes utilized:

21. Is discharge to sewer: _____ intermittent _____ steady

22. List average water usage for each process shown on items 9 through 12 above

Process	Average water consumption (gal per day)
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____

23. Are there any proposed process changes or expansion that would alter your present water usage or wastewater discharge? _____

If yes, please list and explain these changes: _____

SEWER CONNECTION AND DISCHARGE INFORMATION

24. List plant sewer outlets, size and flow (attach and refer to map):

Descriptive location of sewer connection or discharge point	Sewer size (inches)	Ave. Flow (gallons/day)
_____	_____	_____
_____	_____	_____

25. Is a Spill Prevention Control and Countermeasure Plan prepared for the facility?

Yes _____ No _____

26a. Describe what treatment is currently given to waste discharge (attach extra sheet if necessary): _____

26b. Describe what residuals are generated by current pretreatment methods (attach extra sheet if necessary): _____

27. State any known characteristics (i.e. pH, oil and grease, BOD and suspended solids, etc.) of wastewater from each process listed in items 9 through 12 above, (attach copy of wastewater analysis if available):

Process	Wastewater characteristics
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____

28. Priority Pollutant Information: Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is "Suspected to be Absent," "Known to be Absent," "Suspected to be Present," or "Known to be Present" in your manufacturing or service activity or generated as a byproduct.

CHEMICAL COMPOUND	Known Present	Suspected Present	Known absent	Suspected absent	Known or Suspected Concentration
I. METALS & INORGANICS					
1. Antimony	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
2. Arsenic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
3. Asbestos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
4. Beryllium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
5. Cadmium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
6. Chromium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
7. Copper	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
8. Cyanide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
9. Lead	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
10. Mercury	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
11. Nickel	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
12. Selenium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
13. Silver	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
14. Thallium	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
15. Zinc	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
II. PHENOLS AND CRESOLS					
16. Phenol(s)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
17. Phenol, 2-chloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
18. Phenol, 2,4-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
19. Phenol, 2,4,6-trichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
20. Phenol, pentachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
21. Phenol, 2-nitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
22. Phenol, 4-nitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
23. Phenol, 2,4-dinitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
24. Phenol, 2,4-dimethyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
25. m-Cresol, p-chloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
26. o-Cresol, 4,6-dinitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____

CHEMICAL COMPOUND	Known Present	Suspected Present	Known absent	Suspected absent	Known or Suspected Concentration
III. MONOCYCLIC AROMATICS (EXCLUDING PHENOLS, CRESOLS AND PHTHALATES)					
27. Benzene	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
28. Benzene, chloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
29. Benzene, 1,2-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
30. Benzene, 1,3-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
31. Benzene, 1,4-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
32. Benzene, 1,2,4-trichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
33. Benzene, hexachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
34. Benzene, ethyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
35. Benzene, nitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
36. Toluene	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
37. Toluene, 2,4-dinitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
38. Toluene, 2,6-dinitro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
IV. PCBs & RELATED COMPOUNDS					
39. PCB-1016	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
40. PCB-1221	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
41. PCB-1232	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
42. PCB-1242	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
43. PCB-1248	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
44. PCB-1254	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
45. PCB-1260	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
46. 2-Chloronaphthalene	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
V. ETHERS					
47. Ether, bis(chloromethyl)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
48. Ether, bis(2-chloroethyl)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
49. Ether, bis(2-chlorosopropyl)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
50. Ether, 2-chloroethyl vinyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
51. Ether, 4-bromophenyl phenyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
52. Bis(2-chloroethoxyl) methane	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____

CHEMICAL COMPOUND

Known Present
Suspected Present
Known absent
Suspected absent
Known or Suspected Concentration

VI. NITROSAMINES AND OTHER NITROGEN CONTAINING COMPOUNDS

54. Nitrosamine, dimethyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
55. Nitrosamine, diphenyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
56. Nitrosamine, di-n-propyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
57. Benzidine	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
58. Benzidine, 3,3'-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
59. Hydrazine, 1,2-diphenyl	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
60. Acrylonitrile	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____

VII. HALOGENATED ALIPHATICS

61. Methane, bromo-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
62. Methane, chloro-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
63. Methane, dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
64. Methane, chlorodibromo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
65. Methane, dichlorobromo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
66. Methane, tribromo	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
67. Methane, trichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
68. Methane, tetrachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
69. Methane, trichlorofluoro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
70. Methane, dichlorodifluoro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
71. Ethane, chloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
72. Ethane, 1,1-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
73. Ethane, 1,2-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
74. Ethane, 1,1,1-trichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
75. Ethane, 1,1,2-trichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
76. Ethane, 1,1,2,1-tetrachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
77. Ethane, hexachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
78. Ethane, trans-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
79. Ethane, trichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
80. Ethane, tetrachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
81. Propane, 1,2-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
82. Propane, 2,4-dichloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
83. Butadine, hexachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____
84. Cyclopentadiene, hexachloro	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	_____